

Title (en)

ORGANIC THIN FILM TRANSISTOR AND METHOD OF MANUFACTURING ORGANIC THIN FILM TRANSISTOR

Title (de)

ORGANISCHER DÜNNSCHICHTTRANSISTOR UND VERFAHREN ZUR HERSTELLUNG EINES ORGANISCHEN DÜNNSCHICHTTRANSISTORS

Title (fr)

TRANSISTOR EN COUCHES MINCES ORGANIQUES ET PROCÉDÉ DE FABRICATION DE TRANSISTOR EN COUCHES MINCES ORGANIQUES

Publication

**EP 3848977 B1 20240626 (EN)**

Application

**EP 19858491 A 20190809**

Priority

- JP 2018164317 A 20180903
- JP 2019031628 W 20190809

Abstract (en)

[origin: EP3848977A1] Provided are an organic thin film transistor that has high bendability and can suppress a decrease in carrier mobility caused by a pinhole of an insulating film or leveling properties and a method of manufacturing the organic thin film transistor. The organic thin film transistor includes: a gate electrode; an insulating film that is formed to cover the gate electrode; an organic semiconductor layer that is formed on the insulating film, and a source electrode and a drain electrode that are formed on the organic semiconductor layer, in which the insulating film includes an inorganic film consisting of SiNH.

IPC 8 full level

**H10K 10/46** (2023.01)

CPC (source: EP US)

**H10K 10/472** (2023.02 - EP US); **H10K 10/474** (2023.02 - EP US); **H10K 71/12** (2023.02 - US); **H10K 71/18** (2023.02 - EP)

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